# PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FE241491	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
	International filing date (day/month/ye	
International application No.		
PCT/KR2004/001859	23 JULY 2004 (23.07.2004)	24 JULY 2003 (24.07.2003)
Applicant		
UTStarcom Korea Limited et al		
This International search report has been prep to Article 18. A copy is being transmitted to t		athority and is transmitted to the applicant according
This international search report consists of a t	total of 3 sheets.	
It is also accompanied by a cop	y of each prior art document cited in thi	s report.
language in which it was filed, unles	ss otherwise indicated under this item.	e basis of the international application in the
this Authority (Rule 23.		tion of the international application furnished to
	_	in the international application, see Box No. I.
2. Certain claims were found un		
3. Unity of invention is lacking (	(See Box No. III)	
4. With regard to the title,		
the text is approved as submitted	- · · · · · · · · · · · · · · · · · · ·	·
the text has been established by	this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as submittee	ed by the applicant	
		rity as it appears in Box No. IV. The applicant
		earch report, submit comments to this Authority.
<ul><li>6. With regard to the drawings,</li><li>a. the figure of the drawings to be put</li></ul>	sliched with the abstract is Figure No.	2
as suggested by the appli	-	
because the applicant faile		
	characterizes the invention.	
b. none of the figure is to be publ	ished with the abstract.	

International application No. PCT/KR2004/001859

### A. CLASSIFICATION OF SUBJECT MATTER

## IPC7 H04B 7/155

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/155, 7/26, 10/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) KIPONET, DELPHION & Keywords: base, station, repeater, optical, microwave and similar terms

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	JP 07-30493 A (Sumitomo Electric Industries Ltd.) 31 January 1995 * abstract, paragraph [0010] - [0019] *	1
х	JP 11-112409 A (NTT Mobile Communication Network Inc.) 23 April 1999 * paragraph [0007] - [0010], figure 1-3 *	1
x	US 5689355 A (Kokusai Electric Co., Ltd. et al.) 18 November 1997 * column1 line29-67, figure 4 *	1
Α	US 2003/0143947 A1 (LG Electronics Inc.) 31 July 2003 * the whole document *	1
Α	JP 2002-118870 A (Mitsubishi Electric Co.) 19 April 2002  * the whole document *	1
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1		Further	documents	are	listed i	n the	continuation	n of	Box	C.
	_									

X See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- 'L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- O" document referring to an oral disclosure, use, exhibition or other
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

19 OCTOBER 2004 (19.10.2004)

Date of mailing of the international search report

20 OCTOBER 2004 (20.10.2004)

Name and mailing address of the ISA/KR



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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2004/001859

	Patent document cited in search report		Publication date		nt family aber(s)		Publication date	
JP	07-030493	A	1995-01-31	NON	NE			
JP	11-112409	Α	1999-04-23	NON	NE			
US	5689355	Α	1997-11-18	DE	69527222	D1	2002-08-08	
				DE	69527222	T2	2003-03-13	
				EP	0674452	A2 .	1995-09-27	
				EP	0674452	A3	1996-01-03	
				EP	0674452	B1	2002-07-03	
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				JP	08-102713	Α	1996-04-16	
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				KR	2002-054588	Α	2002-07-08	
JP	2002-118870	Α	2002-04-19	NON	NE			